

Product Data Sheet

Product Name: Bioymifi
Cat. No.: GC35523

Chemical Properties

Cas. No. 1420071-30-2

SMILES O=C(/C(SC1=N)=C/C2=CC=C(O2)C3=CC(C(N4=O)=C(C=C3)C4=O)N1C5=CC=C(C=C5)Br

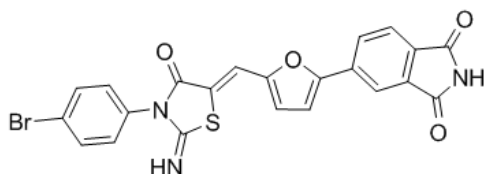
Formula $C_{22}H_{12}BrN_3O_4S$ M.Wt 494.32

Solubility DMSO: 12.5 mg/mL (25.29 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Bioymifi (DR5 Activator) is the first novel and potent small-molecule activator of the TRAIL receptor DR5 in human cancer cells. IC₅₀ value: Target: In comparison with A2C2, bioymifi was able to promote cell death without the need for the Smac mimetic in T98G cells. Notably, at a 10-μM concentration, bioymifi induced processing of caspase-3 into smaller fragments. Z-VAD inhibited these caspase-mediated cleavages. caspase-3 was rapidly activated as early as 2 h after bioymifi

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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treatment of T98G cells. The caspase-3 activity was markedly increased after 8 h of treatment. Bioymifi induces caspase-8-dependent apoptosis.

[1]. Wang G, et al. Small-molecule activation of the TRAIL receptor DR5 in human cancer cells. Nat Chem Biol. 2013 Feb;9(2):84-9.

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